Dominion Energy Services, Inc.
5000 Dominion Boulevard
Glen Allen, VA 23060
DominionEnergy.com

Written Correspondence:
PO Box 45360
Salt Lake City, UT 84145

Dominion Energy®

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OCT 31 2019

Enforcement and Compliance
Assurance Division

October 30, 2019

EPA Region VIII
Director, Air and Toxics Technical Enforcement Program
Office of Enforcement, Compliance and Environmental Justice
Mail Code 8ENF-AT
1595 Wynkoop Street
Denver, Colorado 80202-1129

Wyoming Department of Environmental Quality
Air Quality Division
200 West 17th Street
Cheyenne, Wyoming 82002

RE: NSPS Subpart OOOOa Annual Report

To Whom It May Concern:

Wexpro Company (dba Dominion Energy Wexpro) is submitting the enclosed annual New Source Performance Standards for Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced after September 18, 2015 (NSPS Subpart OOOOa) report for Well Completions and Fugitives for reporting period August 2, 2018 – August 1, 2019. The report is for the following locations:

Well Name	US Well ID	State	County
Canyon Creek Unit 79	49-037-29459	Wyoming	Sweetwater
Canyon Creek Unit 82	49-037-29457		
Canyon Creek Unit 83	49-037-29458		
Canyon Creek Unit 225	49-037-29460		
Canyon Creek Unit 226	49-037-29461		
Trail Unit 68	49-037-28661		
Canyon Creek Unit 35	49-037-25276		
Trail Unit 49	49-037-28684		
Trail Unit 53	49-037-28682		
Trail Unit 54	49-037-28681		
Trail Unit 95	49-037-28683		
Trail Unit 67	49-037-28660		
Trail Unit 71	49-037-28662		
Trail Unit 104	49-037-28665		

Canyon Creek Unit 174	49-037-28704	Wyoming	Sweetwater
Canyon Creek Unit 178	49-037-28705		
Canyon Creek Unit 160	49-037-28700		
Canyon Creek Unit 77	49-037-28995		
Canyon Creek Unit 134	49-037-28996		
Canyon Creek Unit 78	49-037-28989		
Canyon Creek Unit 131	49-037-28991		
Whiskey Canyon Unit 12	49-037-28990		
Canyon Creek Unit 76	49-037-28992		
Canyon Creek Unit 64	49-037-28473		
Whiskey Canyon Unit 15	49-037-29617		
Whiskey Canyon Unit 13	49-037-29618		
Whiskey Canyon Unit 10	49-037-29619		
Whiskey Canyon Unit 9	49-037-29620		
Whiskey Canyon Unit 8	49-037-29621		
Whiskey Canyon Unit 5	49-037-29622		
Trail Unit 83	49-037-29020		
Trail Unit 155	49-037-29602		
Canyon Creek Unit 67	49-037-28476		
Canyon Creek Unit 65	49-037-28474		
Canyon Creek Unit 66	49-037-28475		
Canyon Creek Unit 153	49-037-28909		
Canyon Creek Unit 11-30	49-037-29281		
Canyon Creek Unit 220	49-037-29502		
Canyon Creek Unit 227	49-037-29507		
Canyon Creek Unit 221	49-037-29506		
Trail Unit 177	49-037-30278		
Trail Unit 105	49-037-30274		
Trail Unit 106	49-037-30275		
Trail Unit 82	49-037-29019		
Trail Unit 84	49-037-29021		
Trail Buffer 22-9	49-037-30285		

As identified in the enclosed report, Dominion Energy Wexpro determined there was one controller modification at Canyon Creek Unit 11-30 that deviated from the requirements of §60.5390a(c). In March 2019, low-bleed misers were replaced with high bleed misers routed to a closed loop system equipped with a control device. In July 2019 it was identified that a control panel cover did not fit tightly, therefore allowing gas to leak to the atmosphere instead of being vented to the closed loop system. On the day of discovery, the high-bleed misers were removed and replaced with low-bleed misers compliant with §60.5390a(c). This deviation was also reported in a request for a Permit to Operate dated October 4, 2019.

If you should have any questions, please contact Alan Ball at (804) 273-3912 or wesley.a.ball@dominionenergy.com.

Sincerely,

(b) (6)

Thomas N. Effinger
Director, Environmental Services

CERTIFICATE OF DATA ACCURACY
Annual Report - OOOOa
October 25, 2019

Company Name: Wexpro Company

US Well ID and Facility Name:

49-037-29459	Canyon Creek Unit 79
49-037-29457	Canyon Creek Unit 82
49-037-29458	Canyon Creek Unit 83
49-037-29460	Canyon Creek Unit 225
49-037-29461	Canyon Creek Unit 226
49-037-28661	Trail Unit 68
49-037-25276	Canyon Creek Unit 35
49-037-28684	Trail Unit 49
49-037-28682	Trail Unit 53
49-037-28681	Trail Unit 54
49-037-28683	Trail Unit 95
49-037-28660	Trail Unit 67
49-037-28662	Trail Unit 71
49-037-28665	Trail Unit 104
49-037-28704	Canyon Creek Unit 174
49-037-28705	Canyon Creek Unit 178
49-037-28700	Canyon Creek Unit 160
49-037-28995	Canyon Creek Unit 77
49-037-28996	Canyon Creek Unit 134
49-037-28989	Canyon Creek Unit 78
49-037-28991	Canyon Creek Unit 131
49-037-28990	Whiskey Canyon Unit 12
49-037-28992	Canyon Creek Unit 76
49-037-28473	Canyon Creek Unit 64
49-037-29617	Whiskey Canyon Unit 15
49-037-29618	Whiskey Canyon Unit 13
49-037-29619	Whiskey Canyon Unit 10
49-037-29620	Whiskey Canyon Unit 9
49-037-29621	Whiskey Canyon Unit 8
49-037-29622	Whiskey Canyon Unit 5
49-037-29020	Trail Unit 83
49-037-29602	Trail Unit 155
49-037-28476	Canyon Creek Unit 67
49-037-28474	Canyon Creek Unit 65
49-037-28475	Canyon Creek Unit 66
49-037-28909	Canyon Creek Unit 153

49-037-29281	**Canyon Creek Unit 11-30**
49-037-29502	**Canyon Creek Unit 220**
49-037-29507	**Canyon Creek Unit 227**
49-037-29506	**Canyon Creek Unit 221**
49-037-30278	**Trail Unit 177**
49-037-30274	**Trail Unit 105**
49-037-30275	**Trail Unit 106**
49-037-29019	**Trail Unit 82**
49-037-29021	**Trail Unit 84**
49-037-30285	**Trail Buffer 22-9**

Facility Address: **2221 Westgate Drive**
Rock Springs, WY 82901

Certification: I, Brady B. Rasmussen, certify that I am a company officer or plant manager or authorized representative of the facility identified above, authorized to make this affidavit. I further certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this document are true, accurate, and complete.

Signature: (b) (6) [redacted] Date: 10/30/19

Brady B. Rasmussen
Vice President and General Manager, Wexpro Company

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

	SITE INFORMATION										ALTERNATIVE ADDRESS INFORMATION (IF NO PHYSICAL ADDRESS AVAILABLE FOR SITE *)			REPORTING INFORMATION		PE Certification	ADDITIONAL INFORMATION	
Facility Record No. * (Field value will automatically generate if a value is not entered.)	Company Name * (§60.5420a(b)(1)(i))	Facility Site Name * (§60.5420a(b)(1)(i))	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i))	Address of Affected Facility * (§60.5420a(b)(1)(i))	Address 2	City *	County *	State Abbreviation *	Zip Code *	Responsible Agency Facility ID (State Facility Identifier)	Description of Site Location (§60.5420a(b)(1)(i))	Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Beginning Date of Reporting Period * (§60.5420a(b)(1)(ii))	Ending Date of Reporting Period * (§60.5420a(b)(1)(ii))	Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (§60.5435a(b)(1)) Please provide only one file per record.	Please enter any additional information.	Enter associated file name reference
	e.g.: ABC Company	e.g.: XYZ Compressor Station	e.g.: 11-345-67890-12	e.g.: 123 Main Street	e.g.: Suite 100	e.g.: Brooklyn	e.g.: Kings County	e.g.: NY	e.g.: 11225		e.g.: 7 miles NE of the intersection of Hwy 115 and Hwy 458	e.g.: 34.11345	e.g.: -101.12345	e.g.: 01/01/2016	e.g.: 06/30/2016	e.g.: Certification.pdf or XYZCompressorStation.pdf		e.g.: additinfo.zip or XYZCompressorStation.pdf
1	Weapro Company	Trail Buffer 22-9	49-037-31185	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NE SE 22-18N-100W			8/1/2018	8/1/2019			Trail Buffer Pad 22-16
2	Weapro Company	Trail Unit 84	49-037-29021	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NE SW 2-18N-100W			8/1/2018	8/1/2019			Trail Pad 84
3	Weapro Company	Trail Unit 82	49-037-29019	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NE SW 2-18N-100W			8/1/2018	8/1/2019			Trail Pad 84
4	Weapro Company	Trail Unit 106	49-037-31175	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 35-14N-100W			8/1/2018	8/1/2019			Trail Pad 155
5	Weapro Company	Trail Unit 105	49-037-31174	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 35-14N-100W			8/1/2018	8/1/2019			Trail Pad 155
6	Weapro Company	Trail Unit 177	49-037-31278	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 35-14N-100W			8/1/2018	8/1/2019			Trail Pad 155
7	Weapro Company	Canyon Creek Unit 22	49-037-29506	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NE SW 30-13N-100W			8/1/2018	8/1/2019			Canyon Creek Pad 11-30
8	Weapro Company	Canyon Creek Unit 32	49-037-29507	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NE SW 30-13N-100W			8/1/2018	8/1/2019			Canyon Creek Pad 11-30
9	Weapro Company	Canyon Creek Unit 23	49-037-29502	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NE SW 30-13N-100W			8/1/2018	8/1/2019			Canyon Creek Pad 11-30
10	Weapro Company	Canyon Creek Unit 11	49-037-29181	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NE SW 30-13N-100W			8/1/2018	8/1/2019			Canyon Creek Pad 11-30
11	Weapro Company	Canyon Creek Unit 15	49-037-28909	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 3-12N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 64
12	Weapro Company	Canyon Creek Unit 66	49-037-28475	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 3-12N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 64
13	Weapro Company	Canyon Creek Unit 65	49-037-28474	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 3-12N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 64
14	Weapro Company	Canyon Creek 67	49-037-28476	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 3-12N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 64
15	Weapro Company	Canyon Creek Unit 79	49-037-29439	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NE 36-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 79
16	Weapro Company	Canyon Creek Unit 82	49-037-29457	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NE 36-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 79
17	Weapro Company	Canyon Creek Unit 83	49-037-29458	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NE 36-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 79
18	Weapro Company	Canyon Creek Unit 22	49-037-29460	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NE 36-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 79
19	Weapro Company	Canyon Creek Unit 22	49-037-29461	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NE 36-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 79
20	Weapro Company	Trail Unit 68	49-037-28881	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NE 3-18N-100W			8/1/2018	8/1/2019			Trail Pad 68
21	Weapro Company	Canyon Creek Unit 35	49-037-29276	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 10-12N-101W			8/1/2018	8/1/2019			
22	Weapro Company	Trail Unit 49	49-037-28684	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NW 16-13N-100W			8/1/2018	8/1/2019			Trail Pad 54
23	Weapro Company	Trail Unit 53	49-037-28682	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NW 16-13N-100W			8/1/2018	8/1/2019			Trail Pad 54
24	Weapro Company	Trail Unit 54	49-037-28681	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NW 16-13N-100W			8/1/2018	8/1/2019			Trail Pad 54
25	Weapro Company	Trail Unit 55	49-037-28683	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NW 16-13N-100W			8/1/2018	8/1/2019			Trail Pad 54
26	Weapro Company	Trail Unit 67	49-037-28660	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NE 3-13N-100W			8/1/2018	8/1/2019			Trail Pad 68
27	Weapro Company	Trail Unit 71	49-037-28662	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NE 3-13N-100W			8/1/2018	8/1/2019			Trail Pad 68
28	Weapro Company	Trail Unit 104	49-037-28685	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW NE 3-13N-100W			8/1/2018	8/1/2019			Trail Pad 68
29	Weapro Company	Canyon Creek Unit 17	49-037-28704	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NE 16-12N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 162
30	Weapro Company	Canyon Creek Unit 17	49-037-28705	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NE 16-12N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 162
31	Weapro Company	Canyon Creek Unit 16	49-037-28700	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NE 16-12N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 162
32	Weapro Company	Canyon Creek Unit 77	49-037-28995	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NE 26-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 134
33	Weapro Company	Canyon Creek Unit 13	49-037-28996	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NE 26-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 134
34	Weapro Company	Canyon Creek Unit 78	49-037-28989	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NE 26-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 134
35	Weapro Company	Canyon Creek Unit 53	49-037-28991	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NE 26-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 134
36	Weapro Company	Whiskey Canyon Unit	49-037-28990	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NE 26-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 134
37	Weapro Company	Canyon Creek Unit 76	49-037-28992	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NE 26-13N-101W			8/1/2018	8/1/2019			Canyon Creek Pad 134
38	Weapro Company	Canyon Creek Unit 68	49-037-28473	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 3-12N-101W			8/1/2018	8/1/2019			
39	Weapro Company	Whiskey Canyon Unit	49-037-29017	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NW 24-13N-101W			8/1/2018	8/1/2019			Whiskey Canyon Pad 5
40	Weapro Company	Whiskey Canyon Unit	49-037-29018	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NW 24-13N-101W			8/1/2018	8/1/2019			Whiskey Canyon Pad 5
41	Weapro Company	Whiskey Canyon Unit	49-037-29019	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NW 24-13N-101W			8/1/2018	8/1/2019			Whiskey Canyon Pad 5
42	Weapro Company	Whiskey Canyon Unit	49-037-29020	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NW 24-13N-101W			8/1/2018	8/1/2019			Whiskey Canyon Pad 5
43	Weapro Company	Whiskey Canyon Unit	49-037-29021	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NW 24-13N-101W			8/1/2018	8/1/2019			Whiskey Canyon Pad 5
44	Weapro Company	Whiskey Canyon Unit	49-037-29022	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		SE NW 24-13N-101W			8/1/2018	8/1/2019			Whiskey Canyon Pad 5
45	Weapro Company	Trail Unit 83	49-037-29020	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NE SW 2-13N-100W			8/1/2018	8/1/2019			
46	Weapro Company	Trail Unit 155	49-037-29602	2221 Westgate Drive		Rock Springs	Sweetwater	WY	82901		NW SW 35-14N-100W			8/1/2018	8/1/2019			

(b) (9)

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report
For each well affected facility, an owner or operator must include the information specified in paragraphs (b)(2)(i) through (iii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

			§60.5432a Low Pressure Wells	All Well Completions						
Facility Record No. * (Select from dropdown list - may need to scroll up)	United States Well Number* (§60.5420a(b)(1)(i))	Records of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements specified in § 60.5375a. * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii))	Please provide the file name that contains the Record of Determination and Supporting Inputs and Calculations * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)) Please provide only one file per record.	Well Completion ID * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(i))	Well Location * (§40.5420a(b)(2)(i) and §60.5430a(c)(1)(ii)(A)-(B))	Date of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Date of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Time of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))
	e.g.: 12-345-67890-12	e.g.: On October 12, 2016, a separator was not onsite for the first 3 hours of the flowback period.	e.g.: lowpressure.pdf or XYZCompressorStation.pdf	e.g.: Completion ABC	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.
1	49-037-30285			Trail Buffer 22 9	[redacted]	11/1/2018	21:00	11/4/2018	13:18
								12/1/2018	23:00
2	49-037-29021			Trail Unit 84		11/2/2018	18:00	11/3/2018	8:00
								11/26/2018	17:30
3	49-037-29019			Trail Unit 82		11/2/2018	18:00	11/3/2018	6:00
								11/26/2018	18:30
								11/27/2018	16:00
								11/28/2018	22:00
4	49-037-30275			Trail Unit 106		10/30/2018	20:00	10/30/2018	22:00
								11/6/2018	22:15
								11/20/2018	18:00
5	49-037-30273			Trail Unit 105		10/31/2018	20:00	10/31/2018	22:00
								11/16/2018	20:00
								11/24/2018	10:40
6	49-037-30278			Trail Unit 177		10/28/2018	20:00	10/30/2018	2:30
								10/30/2018	22:00
								11/14/2018	21:00
7	49-037-29506			Canyon Creek Unit 221		10/26/2018	21:00	10/27/2018	0:00
								11/12/2018	12:00
								11/28/2018	14:00
								12/4/2018	14:30
8	49-037-29507			Canyon Creek Unit 227		10/26/2018	18:00	10/27/2018	18:00
								11/9/2018	19:15
								11/11/2018	0:00
9	49-037-29502			Canyon Creek Unit 220		10/25/2018	19:00	10/25/2018	22:00
								10/27/2018	0:00
								11/8/2018	0:00
								11/8/2018	15:00
								11/9/2018	19:15
								11/10/2018	19:30
10	49-037-29281			Canyon Creek Unit 11-30		10/25/2018	6:30	10/24/2018	21:00
								10/25/2018	22:00
								10/26/2018	23:00
								11/10/2018	19:30
11	49-037-28309			Canyon Creek Unit 153		9/30/2018	5:10	10/16/2018	2:00
12	49-037-28475			Canyon Creek Unit 66		9/30/2018	10:30	10/12/2018	20:10
13	49-037-28474			Canyon Creek Unit 65		9/30/2018	12:05	10/9/2018	16:00
								10/12/2018	20:10
14	49-037-28476			Canyon Creek 67		9/30/2018	2:00	10/6/2018	11:00
								10/7/2018	10:00
								10/9/2018	18:05

Well Affected Facilities Required to Comply with §60.5375a(a) and §60.5375a(f)

Date of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Time of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Duration of Recovery in Hours * *(Not Required for Wells Complying with §60.5375a(f))* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A))	Disposition of Recovery * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Duration of Combustion in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Duration of Venting in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))	Reason for Venting in Iieu of Capture or Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))
e.g.: 10/16/18	e.g.: 10 a.m.	e.g.: 10/16/18	e.g.: 10 a.m.	e.g.: 5	e.g.: 5	e.g.: Used as onsite fuel	e.g.: 5	e.g.: 5	e.g. No onsite storage or combustion unit was available at the time of completion.
12/3/2018	20:05	12/14/2018	7:00	230.92			191.7	19.22	
		12/4/2018	7:00	271.67			254.67	13	
		12/6/2018	7:00	916.5			279.5	637	
		11/26/2018	7:00	268.5			257.5	2	
11/16/2018	17:00	11/30/2018	7:00	368.33			363.33	5	
10/30/2018	20:00	11/26/2018	7:00	167			148	19	
11/14/2018	21:00								
12/4/2018	14:15	12/19/2018	7:00	581.83			578.58	3.25	
		11/17/2018	7:00	178.75			172.75	6	
		11/17/2018	7:00	331.75			328.75	3	
10/25/2018	19:00	11/17/2018	7:00	270.58			229.5	41.08	
11/5/2018	18:00								
10/15/2018	17:45	1/25/2019	7:00	97.58			84	13.58	
		1/25/2019	7:00	159.75			9.83	149.92	
10/7/2018	10:00	1/25/2019	7:00	174.88			27.83	147.05	
10/11/2018	18:00								
10/12/2018	13:35								
		1/25/2019	7:00	192.28			34.17	111.87	

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For each pneumatic controller affected facility, an owner or operator must include the information specified in paragraphs (b)(5)(i) through (iii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

					Pneumatic Controllers with a Natural Gas Bleed Rate Greater than 6 scfh		
Facility Record No. * (Select from dropdown list - may need to scroll up)	Pneumatic Controller Identification * (§60.5420a(b)(1)(ii), §60.5420a(b)(5)(i), and §60.5390a(b)(2) or §60.5390a(c)(2))	Was the pneumatic controller constructed, modified or reconstructed during the reporting period? * (§60.5420a(b)(5)(i))	Month of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2))	Year of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2))	Documentation that Use of a Pneumatic Controller with a Natural Gas Bleed Rate Greater than 6 Standard Cubic Feet per Hour is required * (§60.5420a(b)(5)(ii))	Reasons Why * (§60.5420a(b)(5)(ii))	Records of deviations where the pneumatic controller was not operated in compliance with requirements* (§60.5420a(b)(5)(iii) and §60.5420a(c)(4)(v))
e.g.: Controller 12A		e.g.: modified	e.g.: February	e.g.: 2017	e.g.: Controller has a bleed rate of 8 scfh.	e.g.: safety bypass controller requires use of a high-bleed controller	e.g.: Controller was not tagged with month and year of installation.
10	Canyon Creek Unit 11-30 misers	constructed	March	2019	N/A	In March 2019, low-bleed misers were replaced with high-bleed misers routed to a closed loop system equipped with a control device.	In July 2019 it was identified that a control panel cover did not fit tightly, therefore allowing gas to leak to the atmosphere instead of being vented to the closed loop system. On the day of discovery, the high-bleed misers were removed and replaced with low-bleed misers compliant with 60.5390a(c).

Leak Detection and Repair (LDAR) Recordkeeping Form

Section 1: Site Information

Facility Name:	**Canyon Creek 11-30 Pad (Facility Record Numbers 7, 8, 9 and 10)**						
API			County:	Sweetwater			
Location (decimal degrees):	Latitude:		Longitude:			Section, Township, Range:	
Date of Inspection:	12/12/2018	Inspection Type:	FLIR	Initial AIMM	X	Periodic BI-ANNUAL	
Method used for inspection (i.e. Method 21, IR Camera, AVO, etc):				FLIR Camera (NUC prior to operating)			
Name of person completing inspection:	(b) (6) [redacted]						

Section 2: Summary of Leaking Components

Table 1: Summary of Leaking Components	
Component Type	# Leaks
Valves:	0
Connectors:	6
Flanges:	0
Pump Seals:	0
Pressure Relief Devices (PRD):	0
TOTAL	6

Start time 9:13 am End time 10:00 am Temperature 23 degrees **Conditions overcast Maximum wind 3** mph **Monitoring instrument used** FLIR GF 320 **Deviations from monitoring plan** none **Type of difficult to monitor components** none **Number of each difficult to monitor component type** none **Type of unsafe to monitor component** none **Number of each unsafe to monitor component type** none **Type of instrument used to resurvey repaired components** FLIR GF 320 **Training and experience of surveyor** ITC certified since April 8 2015 ID #88773 Expiration date April 8 2020

Section 3: Leaking Components Details

Table 2: Monitoring and Repair of Leaking Components[1]

Component ID	Component Type	Monitoring Method Used	Date of 1 st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed? (See Table 3)
1	3/8" fitting CC 11-30	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
2	Locknut oil mizer CC 11-30	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
3	1/2" fitting CC 221	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
4	1/2" fitting CC 221	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
5	3/8" fitting CC 11-30	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
6	1/2" fitting CC 221	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	

[1] If more components need to be reported than room available, please add additional leaking components to Table 2 Addendum form on page 3 of this document.

Section 4: Delay of Repair List

Table 3: List of Components added to Delay of Repair List

Component ID	Reason for Delay (detailed description)	Date Delay No Longer

Section 5: Unsafe, Difficult, or Inaccessible to Monitor

Table 4: List of Components Identified as Unsafe, Difficult, or Inaccessible

Component ID or	Component	Explanation Why Component Listed and Plan for Monitoring

Additional Comments:

Table 2 Addendum: Monitoring and Repair of Leaking Components

Leaking Component ID	Component Type	Monitoring Method Used	Date of 1st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed? (See Table 3)

Leak Detection and Repair (LDAR) Recordkeeping Form

Section 1: Site Information

Facility Name:	**Canyon Creek 33/79 Pad (CC 225 CC 226 CC 82 CC 83 CC33) (Facility Record Number 15, 16, 17, 18 and 19)**						
API	49-037-29459		County:	Sweetwater			
Location (decimal degrees):	Latitude:	(b) (9) [redacted]	Longitude:	(b) (9) [redacted]		Section, Township, Range:	SE SE 3-12N-101W
Date of Inspection:	8/23/2018	Inspection Type:	FLIR	Initial AIMM	X	Periodic	BI-ANNUAL
Method used for inspection (i.e. Method 21, IR Camera, AVO, etc):				FLIR Camera (NUC prior to operating)			
Name of person completing inspection:	(b) (6) [redacted]						

Section 2: Summary of Leaking Components

Table 1: Summary of Leaking Components

Component Type	# Leaks
Valves:	2
Connectors:	0
Flanges:	0
Pump Seals:	0
Pressure Relief Devices (PRD):	0
TOTAL	2

Start time 11:27 am End time 12:01 pm Temperature 70 degrees **Conditions hazy Maximum wind** 4 mph **Monitoring instrument used** FLIR GF 320 **Deviations from monitoring plan** none **Type of difficult to monitor components** none **Number of each difficult to monitor component type** none **Type of unsafe to monitor component** none **Number of each unsafe to monitor component type** none **Type of instrument used to resurvey repaired components** FLIR GF 320 **Training and experience of surveyor** ITC certified since April 8 2015 ID #88773 Expiration date April 8 2020

Section 3: Leaking Components Details

Table 2: Monitoring and Repair of Leaking Components1

Component ID	Component Type	Monitoring Method Used	Date of 1 st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed? (See Table 3)
1	Tubing wing valve CC 225	FLIR	8/23/2018	8/27/2018	9/4/2018	Fixed leak	8/27/2018	
2	Regulator plug CC 83	FLIR	8/23/2018	8/27/2018	9/4/2018	Fixed leak	8/27/2018	

1 If more components need to be reported than room available, please add additional leaking components to Table 2 Addendum form on page 3 of this document.

Section 4: Delay of Repair List

Table 3: List of Components added to Delay of Repair List

Component ID	Reason for Delay (detailed description)	Date Delay No Longer

Section 5: Unsafe, Difficult, or Inaccessible to Monitor

Table 4: List of Components Identified as Unsafe, Difficult, or Inaccessible

Component ID or	Component	Explanation Why Component Listed and Plan for Monitoring

Additional Comments:

Table 2 Addendum: Monitoring and Repair of Leaking Components

Leaking Component ID	Component Type	Monitoring Method Used	Date of 1st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed? (See Table 3)
	Facility Name	Latitude		Longitude	API	Legal Description		
	Canyon Creek 225	(b) (9)			49-037-29460	NW NE 36-13N-101W		
	Canyon Creek 226				49-037-29461	NW NE 36-13N-101W		
	Canyon Creek 82				49-037-29457	NW NE 36-13N-101W		
	Canyon Creek 83				49-037-29458	NW NE 36-13N-101W		
	Canyon Creek 33				49-037-22386	NW NE 36-13N-101W		

Leak Detection and Repair (LDAR) Recordkeeping Form

Section 1: Site Information

Facility Name:	**Whiskey Canyon Pad 5 (Facility Record Number 39, 40, 41, 42, 43 and 44)**						
API	49-037-29622		County:	Sweetwater			
Location (decimal degrees):	Latitude:	(b) (9) [redacted]	Longitude:	(b) (9) [redacted]		Section, Township, Range:	NE SW 24-13N-101W
Date of Inspection:	10/24/2018	Inspection Type:	FLIR	Initial AIMM	X	Periodic	BI-ANNUAL
Method used for inspection (i.e. Method 21, IR Camera, AVO, etc):				FLIR Camera (NUC prior to operating)			
Name of person completing inspection:	(b) (6) [redacted]						

Section 2: Summary of Leaking Components

Table 1: Summary of Leaking Components	
Component Type	# Leaks
Valves:	2
Connectors:	1
Flanges:	0
Pump Seals:	0
Pressure Relief Devices (PRD):	0
TOTAL	3

Start time 9:01 AM End time 9:33 AM Temperature 34 degrees **Conditions OVERCAST Maximum wind 3** mph **Monitoring instrument used** FLIR GF 320 **Deviations from monitoring plan** none **Type of difficult to monitor components** none **Number of each difficult to monitor component type** none **Type of unsafe to monitor component** none **Number of each unsafe to monitor component type** none **Type of instrument used to resurvey repaired components** FLIR GF 320 **Training and experience of surveyor** ITC certified since April 8 2015 ID #88773 Expiration date April 8 2020

Section 3: Leaking Components Details

Table 2: Monitoring and Repair of Leaking Components[1]

Component ID	Component Type	Monitoring Method Used	Date of 1 st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed? (See Table 3)
1	Locknut on mixer WC 8	FLIR	10/24/2018		10/24/2018	Fixed leak	10/24/2018	
2	Regulator diaphragm WC 8	FLIR	10/24/2018	10/29/2018	10/30/2018	Fixed leak	10/29/2018	
3	Regulator diaphragm WC 9	FLIR	10/24/2018	10/29/2018	10/30/2018	Fixed leak	10/29/2018	

Section 4: Delay of Repair List

Table 3: List of Components added to Delay of Repair List

Component ID	Reason for Delay (detailed description)	Date Delay No Longer

Section 5: Unsafe, Difficult, or Inaccessible to Monitor

Table 4: List of Components Identified as Unsafe, Difficult, or Inaccessible

Component ID or	Component	Explanation Why Component Listed and Plan for Monitoring

Additional Comments:

Table 2 Addendum: Monitoring and Repair of Leaking Components

Leaking Component ID	Component Type	Monitoring Method Used	Date of 1st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed? (See Table 3)

Condensate Collection and Control System Inspection Form
Wexpro Company
Canyon Creek 162 Pad Operations

Facility Canyon Creek 162 Pad (Facility Record Number 29, 30, and 31)

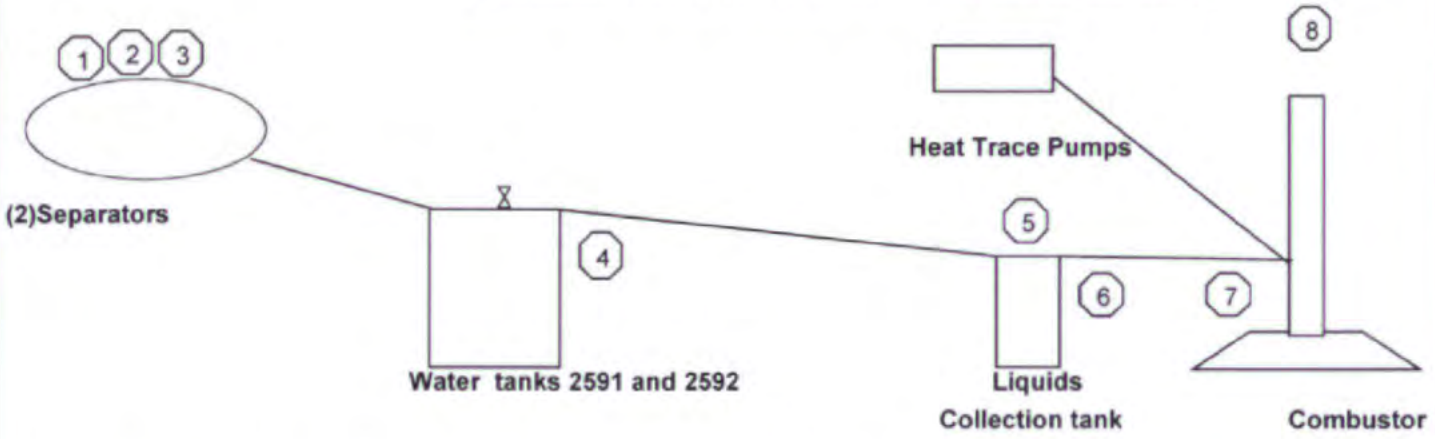
Legal: SE /4 NE /4 **Section** 16 **T** 12 **N** **R** 101 **W**

Inspection Date: 8/21/2018

Inspector Name*: (b) (6)

* All Inspectors must be trained and have proof on the Training Log

Simplified Process Flow for Condensate Tank to Combustor



ID	Description	LEL Reading or Visual Inspection	Comments
			SEE COMMENTS BELOW
Separator			
1	Rupture Disk - LEL READING	OK	
2	Relief Valve - LEL READING	OK	
3	Inspection of piping (inlet, outlet, dump lines)	OK	
nks #2591 and 2592			
4	Inspection of piping to collection tank	OK	
5	Inspection of collection tank, plugs, valves	OK	
Combustor			
6	Inspection of piping collection tank to combustor	OK	
7	Pilot and burner on combustor - ANALOG READING	OK	
8	Inspection of stack emissions - CLEAR, SMOKING etc.	OK	

Annual Preventive Maintenance Program

* All seals and gaskets must be visually inspected to ensure proper operation of the air pollution control devices. Worn seals or gaskets that may effect the capture and control of air emissions must be replaced.

Findings and comments of inspection:

CC 162 locknut water mizer repaired 8/21/2018 reshot 8/21/2018
CC 174 3/8" fitting repaired 8/21/2018 reshot 8/21/2018
CC 178 1/4" fitting repaired 8/21/2018 reshot 8/21/2018

Inspection Date: 8/21/2018 **Inspector Name:** Gary Allen

Additional Notes and Observations

Start time 1:12 pm End time 1:39 pmTemperature 68 degrees **Conditions hazy Maximum wind** 5 mph **Monitoring instrument used** FLIR GF 320 **Deviations from monitoring plan** none **Type of difficult to monitor components** none **Number of each difficult to monitor component type** none **Type of unsafe to monitor component** none **Number of each unsafe to monitor component type** none **Type of instrument used to resurvey repaired components** FLIR GF 320 **Training and experience of surveyor** ITC certified since April 8 2015 ID #88773 Expiration date April 8 2020

FLIR GF 320 IR CAMERA WAS USED FOR THIS INSPECTION

Wexpro uses a Draeger X-am 2000 Model motorized sampling pump combustible gas leak detection instrument

to check the system for leaks any reading of LEL above 0% will be considered a leak

General Process Flow Description

Liquids from the separator is directed to the tank and off gas sent to combustor via a closed piping system.

The flame of the combustor is continuously monitored by a thermocouple.

TARGET
EMISSION SERVICES

LDAR Report

Dominion Energy

CANYON CREEK PAD 64

Annual Report

NSPS Subpart OOOOa

PERIOD: 08/02/2018 - 08/01/2019

(Facility Record Numbers 11, 12, 13, 14 and 38)

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300)
Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019

TARGET EMISSION SERVICES

Company:	Dominion Energy	Report:	Annual LDAR		
District:	DEWEX - Wyoming	Regulation(s):	NSPS Subpart OOOOa		
Facility Name:	CANYON CREEK PAD 64	Report Date:	Oct 15, 2019		
GPS Coord.	(b) (9) [redacted]	Period:	2018-Aug-02	TO	2019-Aug-01

This report satisfies the requirements of 40 CFR §60.5420a(b)(7) for the collection of fugitive emissions components at the above referenced compressor station.

Information required to be reported per §60.5420a(b)(7)(i) - (vi)

Monitoring Quarter	Q2	N/A	N/A	N/A	N/A
Survey Start Date/Time	05/21/2019 10:13 AM	N/A	N/A	N/A	N/A
Survey End Date/Time	05/21/2019 10:40 AM	N/A	N/A	N/A	N/A
OGI Technician (see Appendix for OGI Technician Training and Experience)	(b) (6) [redacted]	N/A	N/A	N/A	N/A
Ambient Temp. (°F)	34	N/A	N/A	N/A	N/A
Sky Conditions	Overcast, >90% of the sky is covered by clouds	N/A	N/A	N/A	N/A
Max. Wind Speed (MPH)	6	N/A	N/A	N/A	N/A
LDAR Instrument	Optical Gas Imaging/GFX-320	N/A	N/A	N/A	N/A
§60.5420a(b)(7)(vi) Deviations from Monitoring Plan	No deviations from the Monitoring Plan	N/A	N/A	N/A	N/A
Deviation(s) Explanation	N/A	N/A	N/A	N/A	N/A

§60.5420a(b)(7)(vii) - Number and type of components for which fugitive emissions were detected

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks Detected	0				

§60.5420a(b)(7)(viii) - Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h)

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(c)(15)(ii)(I)(7) – Number and type of components that were tagged as a result of not being repaired during the monitoring survey as required in §60.5397a(h)(3)(ii).

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(ix) - Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(x) - Date of successful repair of the fugitive emission component (see Repair List).

§60.5420a(b)(7)(xi) - Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair (see DOR List).

§60.5420a(b)(7)(xii) - Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding (see Repair List).

TARGET EMISSION SERVICES

Fugitive Emissions Components Placed on DOR					
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".					
Component					
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	5/21/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR	0				
Date Surveyed	Emission ID #	Component Type	Current Repair Status	Delay of Repair Explanation / Justification	

TARGET EMISSION SERVICES

Fugitive Emissions Components Repaired During Reporting Period			
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".			
Date Surveyed	**Emission ID #**	**Date of Successful Repair**	**Repair Confirmation Method / Instrument**

OGI Technician Training and Experience

Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

All Monitoring Technicians follow a protocol containing technical procedures, training requirements, and individual and team performance audits. This protocol ensures that each crew member follows a prescriptive training program. The training program includes minimum required field times for each module. Each module uses both written testing and on-site work performance audits to evaluate the crew member on their work performance.

Each crew member must successfully complete their training modules to be allowed to work as a member of the main field crew. The protocol also includes an audit program to evaluate work performance on an on-going basis. This system ensures that each crew member is adhering to the procedures and guidelines of the protocol.

Each monitoring technician:

1) holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment;
3) has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

The protocol contains technical procedures, training requirements, and individual and team performance audits. The purpose of our assessment protocol is to:

1) Maintain a high degree of Quality Control;
2) Ensure that all sources of fugitive emissions are identified;
3) Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

This protocol eliminates the common problems and barriers that cause many programs to fail. Our staff are trained and audited to avoid many of the common fugitive emission program problems. Some of these common problems include:

- Inexperienced with camera use and the concepts of infrared thermography
- Not using multiple camera angles
- Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
- Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

1) Technician Self Check – at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
2) Team Lead Review – at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
3) Project Manager Evaluation – on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-May-21	(b) (6)	2015-Apr-08	54

TARGET
EMISSION SERVICES

LDAR Report

Dominion Energy

CANYON CREEK PAD 134

(Facility Record Number 32, 33, 34, 35, 36 and 37)

Annual Report

NSPS Subpart OOOOa

PERIOD: 08/02/2018 - 08/01/2019

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300)
Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019

TARGET EMISSION SERVICES

Company:	Dominion Energy	Report:	Annual LDAR		
District:	DEWEX - Wyoming	Regulation(s):	NSPS Subpart OOOOa		
Facility Name:	CANYON CREEK PAD 134	Report Date:	Oct 15, 2019		
GPS Coord.	(b) (9)	Period:	2018-Aug-02	TO	2019-Aug-01

This report satisfies the requirements of 40 CFR§60.5420a(b)(7) for the collection of fugitive emissions components at the above referenced compressor station.

Information required to be reported per §60.5420a(b)(7)(i) - (vi)

Monitoring Quarter	Q2	N/A	N/A	N/A	N/A
Survey Start Date/Time	04/11/2019 2:14 PM	N/A	N/A	N/A	N/A
Survey End Date/Time	04/11/2019 2:44 PM	N/A	N/A	N/A	N/A
OGI Technician	(b) (6)	N/A	N/A	N/A	N/A
Ambient Temp. (°F)	34	N/A	N/A	N/A	N/A
Sky Conditions	Mostly Cloudy, 50%-90% sky is clouds	N/A	N/A	N/A	N/A
Max. Wind Speed (MPH)	7	N/A	N/A	N/A	N/A
LDAR Instrument	Optical Gas Imaging/GFX-320	N/A	N/A	N/A	N/A
§60.5420a(b)(7)(vi) Deviations from Monitoring Plan	No deviations from the Monitoring Plan	N/A	N/A	N/A	N/A
Deviation(s) Explanation	N/A	N/A	N/A	N/A	N/A

§60.5420a(b)(7)(vii) - Number and type of components for which fugitive emissions were detected

Valves					
Connectors	3				
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks Detected	3				

§60.5420a(b)(7)(viii) - Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h)

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(c)(15)(ii)(I)(7) – Number and type of components that were tagged as a result of not being repaired during the monitoring survey as required in §60.5397a(h)(3)(ii).

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(ix) - Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(x) - Date of successful repair of the fugitive emission component (see Repair List).

§60.5420a(b)(7)(xi) - Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair (see DOR List).

§60.5420a(b)(7)(xii) - Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding (see Repair List).

TARGET EMISSION SERVICES

Fugitive Emissions Components Placed on DOR

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

Component					
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	4/11/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR	0				

Date Surveyed	Emission ID #	Component Type	Current Repair Status	Delay of Repair Explanation / Justification

TARGET EMISSION SERVICES

Fugitive Emissions Components Repaired During Reporting Period

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID #	Date of Successful Repair	Repair Confirmation Method / Instrument
2019-04-11	24210100	2019-Apr-11	Snoop
2019-04-11	24210101	2019-Apr-11	OGI
2019-04-11	24210102	2019-Apr-11	OGI

OGI Technician Training and Experience

Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

All Monitoring Technicians follow a protocol containing technical procedures, training requirements, and individual and team performance audits. This protocol ensures that each crew member follows a prescriptive training program. The training program includes minimum required field times for each module. Each module uses both written testing and on-site work performance audits to evaluate the crew member on their work performance.

Each crew member must successfully complete their training modules to be allowed to work as a member of the main field crew. The protocol also includes an audit program to evaluate work performance on an on-going basis. This system ensures that each crew member is adhering to the procedures and guidelines of the protocol.

Each monitoring technician:

1) holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment;
3) has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

The protocol contains technical procedures, training requirements, and individual and team performance audits. The purpose of our assessment protocol is to:

1) Maintain a high degree of Quality Control;
2) Ensure that all sources of fugitive emissions are identified;
3) Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

This protocol eliminates the common problems and barriers that cause many programs to fail. Our staff are trained and audited to avoid many of the common fugitive emission program problems. Some of these common problems include:

- Inexperienced with camera use and the concepts of infrared thermography
- Not using multiple camera angles
- Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
- Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

1) Technician Self Check – at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
2) Team Lead Review – at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
3) Project Manager Evaluation – on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-Apr-11	(b) (6)	2015-Apr-08	54

TARGET
EMISSION SERVICES

LDAR Report

Dominion Energy

CANYON CREEK UNIT 35

Annual Report

NSPS Subpart OOOOa

PERIOD: 08/02/2018 - 08/01/2019

(Facility Record Number 21)

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300)
Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019

TARGET EMISSION SERVICES

Company:	Dominion Energy	Report:	Annual LDAR		
District:	DEWEX - Wyoming	Regulation(s):	NSPS Subpart OOOOa		
Facility Name:	CANYON CREEK UNIT 35	Report Date:	Oct 15, 2019		
GPS Coord.	(b) (9) [redacted]	Period:	2018-Aug-02	TO	2019-Aug-01

This report satisfies the requirements of 40 CFR §60.5420a(b)(7) for the collection of fugitive emissions components at the above referenced compressor station.

Information required to be reported per §60.5420a(b)(7)(i) - (vi)

Monitoring Quarter	Q2	N/A	N/A	N/A	N/A
Survey Start Date/Time	04/03/2019 12:25 PM	N/A	N/A	N/A	N/A
Survey End Date/Time	04/03/2019 12:42 PM	N/A	N/A	N/A	N/A
OGI Technician (see Appendix for OGI Technician Training and Experience)	(b) (6) [redacted]	N/A	N/A	N/A	N/A
Ambient Temp. (°F)	47	N/A	N/A	N/A	N/A
Sky Conditions	Mostly Cloudy, 50%-90% sky is clouds	N/A	N/A	N/A	N/A
Max. Wind Speed (MPH)	4	N/A	N/A	N/A	N/A
LDAR Instrument	Optical Gas Imaging/GFX-320	N/A	N/A	N/A	N/A
§60.5420a(b)(7)(vi) Deviations from Monitoring Plan	No deviations from the Monitoring Plan	N/A	N/A	N/A	N/A
Deviation(s) Explanation	N/A	N/A	N/A	N/A	N/A

§60.5420a(b)(7)(vii) - Number and type of components for which fugitive emissions were detected

Valves					
Connectors	1				
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks Detected	1				

§60.5420a(b)(7)(viii) - Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h)

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(c)(15)(ii)(I)(7) – Number and type of components that were tagged as a result of not being repaired during the monitoring survey as required in §60.5397a(h)(3)(ii).

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(ix) - Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(x) - Date of successful repair of the fugitive emission component (see Repair List).

§60.5420a(b)(7)(xi) - Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair (see DOR List).

§60.5420a(b)(7)(xii) - Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding (see Repair List).

TARGET EMISSION SERVICES

Fugitive Emissions Components Placed on DOR					
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".					
Component					
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	4/3/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR	0				
Date Surveyed	Emission ID #	Component Type	Current Repair Status	Delay of Repair Explanation / Justification	

Fugitive Emissions Components Repaired During Reporting Period

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID #	Date of Successful Repair	Repair Confirmation Method / Instrument
2019-04-03	24210086	2019-Apr-03	Snoop

OGI Technician Training and Experience

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Each monitoring technician:

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3) has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
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- Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
- Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

1) Technician Self Check – at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
2) Team Lead Review – at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
3) Project Manager Evaluation – on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-Apr-03	(b) (6)	2015-Apr-08	54

TARGET
EMISSION SERVICES

LDAR Report

Dominion Energy

TRAIL BUFFER 22-16

(Facility Record Number 1)

Annual Report

NSPS Subpart OOOOa

PERIOD: 08/02/2018 - 08/01/2019

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300)
Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019

SUMMARY

Company:	Dominion Energy	**Report:**	Annual LDAR		
District:	DEWEX - Wyoming	**Regulation(s):**	NSPS Subpart OOOOa		
Facility Name:	TRAIL BUFFER 22-16	**Report Date:**	Oct 15, 2019		
GPS Coord.	(b) (9) [redacted]	**Period:**	2018-Aug-02	TO	2019-Aug-01

This report satisfies the requirements of 40 CFR §60.5420a(b)(7) for the collection of fugitive emissions components at the above referenced compressor station.

Information required to be reported per §60.5420a(b)(7)(i) - (vi)

Monitoring Quarter	**Q2**	**N/A**	**N/A**	**N/A**	**N/A**
Survey Start Date/Time	05/09/2019 12:27 PM	N/A	N/A	N/A	N/A
Survey End Date/Time	05/09/2019 12:50 PM	N/A	N/A	N/A	N/A
OGI Technician (see Appendix for OGI Technician Training and Experience)	(b) (6) [redacted]	N/A	N/A	N/A	N/A
Ambient Temp. (°F)	41	N/A	N/A	N/A	N/A
Sky Conditions	Mostly Cloudy, 50%-90% sky is clouds	N/A	N/A	N/A	N/A
Max. Wind Speed (MPH)	11	N/A	N/A	N/A	N/A
LDAR Instrument	Optical Gas Imaging/GFX-320	N/A	N/A	N/A	N/A
§60.5420a(b)(7)(vi) Deviations from Monitoring Plan	No deviations from the Monitoring Plan	N/A	N/A	N/A	N/A
Deviation(s) Explanation	N/A	N/A	N/A	N/A	N/A

§60.5420a(b)(7)(vii) - Number and type of components for which fugitive emissions were detected

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks Detected	0				

§60.5420a(b)(7)(viii) - Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h)

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(c)(15)(ii)(I)(7) -- Number and type of components that were tagged as a result of not being repaired during the monitoring survey as required in §60.5397a(h)(3)(ii).

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(ix) - Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(x) - Date of successful repair of the fugitive emission component (see Repair List).

§60.5420a(b)(7)(xi) - Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair (see DOR List).

§60.5420a(b)(7)(xii) - Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding (see Repair List).

TARGET EMISSION SERVICES

Fugitive Emissions Components Placed on DOR					
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".					
Component					
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	5/9/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR	0				
Date Surveyed	Emission ID #	Component Type	Current Repair Status	Delay of Repair Explanation / Justification	

TARGET EMISSION SERVICES

Fugitive Emissions Components Repaired During Reporting Period			
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".			
Date Surveyed	**Emission ID #**	**Date of Successful Repair**	**Repair Confirmation Method / Instrument**

OGI Technician Training and Experience

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Each monitoring technician:

1) holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment;
3) has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

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1) Maintain a high degree of Quality Control;
2) Ensure that all sources of fugitive emissions are identified;
3) Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

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- Inexperienced with camera use and the concepts of infrared thermography
- Not using multiple camera angles
- Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
- Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

1) Technician Self Check – at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
2) Team Lead Review – at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
3) Project Manager Evaluation – on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-May-09	(b) (6)	2015-Apr-08	54

TARGET
EMISSION SERVICES

LDAR Report

Dominion Energy

TRAIL PAD 54 (54, 49, 53, 95)

Annual Report

NSPS Subpart OOOOa

PERIOD: 08/02/2018 - 08/01/2019

(Facility Record Number 22, 23, 24 and 25)

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300)
Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019

TARGET EMISSION SERVICES

Company:	Dominion Energy	Report:	Annual LDAR		
District:	DEWEX - Wyoming	Regulation(s):	NSPS Subpart OOOOa		
Facility Name:	TRAIL PAD 54 (54, 49, 53, 95)	Report Date:	Oct 15, 2019		
GPS Coord.	(b) (9)	Period:	2018-Aug-02	TO	2019-Aug-01

This report satisfies the requirements of 40 CFR §60.5420a(b)(7) for the collection of fugitive emissions components at the above referenced compressor station.

Information required to be reported per §60.5420a(b)(7)(i) - (vi)					
Monitoring Quarter	Q2	N/A	N/A	N/A	N/A
Survey Start Date/Time	05/09/2019 10:15 AM	N/A	N/A	N/A	N/A
Survey End Date/Time	05/09/2019 10:40 AM	N/A	N/A	N/A	N/A
OGI Technician (see Appendix for OGI Technician Training and Experience)	(b) (6)	N/A	N/A	N/A	N/A
Ambient Temp. (°F)	36	N/A	N/A	N/A	N/A
Sky Conditions	Mostly Cloudy, 50%-90% sky is clouds	N/A	N/A	N/A	N/A
Max. Wind Speed (MPH)	10	N/A	N/A	N/A	N/A
LDAR Instrument	Optical Gas Imaging/GFX-320	N/A	N/A	N/A	N/A
§60.5420a(b)(7)(vi) Deviations from Monitoring Plan	No deviations from the Monitoring Plan	N/A	N/A	N/A	N/A
Deviation(s) Explanation	N/A	N/A	N/A	N/A	N/A

§60.5420a(b)(7)(vii) - Number and type of components for which fugitive emissions were detected					
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks Detected	0				

§60.5420a(b)(7)(viii) - Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h)					
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(c)(15)(ii)(I)(7) – Number and type of components that were tagged as a result of not being repaired during the monitoring survey as required in §60.5397a(h)(3)(ii)					
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(ix) - Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored					
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(x) - Date of successful repair of the fugitive emission component (see Repair List).

§60.5420a(b)(7)(xi) - Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair (see DOR List).

§60.5420a(b)(7)(xii) - Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding (see Repair List).

TARGET EMISSION SERVICES

Fugitive Emissions Components Placed on DOR

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

Component					
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	5/9/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR	0				

Date Surveyed	Emission ID #	Component Type	Current Repair Status	Delay of Repair Explanation / Justification

Fugitive Emissions Components Repaired During Reporting Period			
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".			
Date Surveyed	**Emission ID #**	**Date of Successful Repair**	**Repair Confirmation Method / Instrument**

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Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

1) Technician Self Check – at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
2) Team Lead Review – at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
3) Project Manager Evaluation – on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-May-09	(b) (6)	2015-Apr-08	54

TARGET EMISSION SERVICES

LDAR Report

Dominion Energy

TRAIL PAD 68 (68, 67, 71, 104)

Annual Report

NSPS Subpart OOOOa

PERIOD: 08/02/2018 - 08/01/2019

(Facility Record Number 20, 26, 27 and 28)

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300)
Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019

TARGET EMISSION SERVICES

Company:	Dominion Energy	Report:	Annual LDAR		
District:	DEWEX - Wyoming	Regulation(s):	NSPS Subpart OOOOa		
Facility Name:	TRAIL PAD 68 (68, 67, 71, 104)	Report Date:	Oct 15, 2019		
GPS Coord.	(b) (9) [redacted]	Period:	2018-Aug-02	TO	2019-Aug-01

This report satisfies the requirements of 40 CFR §60.5420a(b)(7) for the collection of fugitive emissions components at the above referenced compressor station.

Information required to be reported per §60.5420a(b)(7)(i) - (vi)

Monitoring Quarter	Q2	N/A	N/A	N/A	N/A
Survey Start Date/Time	05/16/2019 10:14 AM	N/A	N/A	N/A	N/A
Survey End Date/Time	05/16/2019 10:38 AM	N/A	N/A	N/A	N/A
OGI Technician	(b) (6) [redacted]	N/A	N/A	N/A	N/A
Ambient Temp. (°F)	70	N/A	N/A	N/A	N/A
Sky Conditions	Partly Cloudy, 10%-50% sky is clouds	N/A	N/A	N/A	N/A
Max. Wind Speed (MPH)	9	N/A	N/A	N/A	N/A
LDAR Instrument	Optical Gas Imaging/GFX-320	N/A	N/A	N/A	N/A
§60.5420a(b)(7)(vi) Deviations from Monitoring Plan	No deviations from the Monitoring Plan	N/A	N/A	N/A	N/A
Deviation(s) Explanation	N/A	N/A	N/A	N/A	N/A

§60.5420a(b)(7)(vii) - Number and type of components for which fugitive emissions were detected

Valves	1				
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks Detected	1				

§60.5420a(b)(7)(viii) - Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h)

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(c)(15)(ii)(I)(7) – Number and type of components that were tagged as a result of not being repaired during the monitoring survey as required in §60.5397a(h)(3)(ii).

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(ix) - Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(x) - Date of successful repair of the fugitive emission component (see Repair List).

§60.5420a(b)(7)(xi) - Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair (see DOR List).

§60.5420a(b)(7)(xii) - Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding (see Repair List).

TARGET EMISSION SERVICES

Fugitive Emissions Components Placed on DOR					
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".					
Component					
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	5/16/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR	0				
Date Surveyed	Emission ID #	Component Type	Current Repair Status	Delay of Repair Explanation / Justification	

Fugitive Emissions Components Repaired During Reporting Period

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID #	Date of Successful Repair	Repair Confirmation Method / Instrument
2019-05-16	24210154	2019-May-16	OGI

OGI Technician Training and Experience

Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

All Monitoring Technicians follow a protocol containing technical procedures, training requirements, and individual and team performance audits. This protocol ensures that each crew member follows a prescriptive training program. The training program includes minimum required field times for each module. Each module uses both written testing and on-site work performance audits to evaluate the crew member on their work performance.

Each crew member must successfully complete their training modules to be allowed to work as a member of the main field crew. The protocol also includes an audit program to evaluate work performance on an on-going basis. This system ensures that each crew member is adhering to the procedures and guidelines of the protocol.

Each monitoring technician:

1) holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment;
3) has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

The protocol contains technical procedures, training requirements, and individual and team performance audits. The purpose of our assessment protocol is to:

1) Maintain a high degree of Quality Control;
2) Ensure that all sources of fugitive emissions are identified;
3) Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

This protocol eliminates the common problems and barriers that cause many programs to fail. Our staff are trained and audited to avoid many of the common fugitive emission program problems. Some of these common problems include:

- Inexperienced with camera use and the concepts of infrared thermography
- Not using multiple camera angles
- Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
- Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

1) Technician Self Check – at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
2) Team Lead Review – at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
3) Project Manager Evaluation – on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-May-16	G Allen	2015-Apr-08	54

TARGET
EMISSION SERVICES

LDAR Report

Dominion Energy

TRAIL PAD 84 (84, 82, 83)

(Facility Record Number 2, 3 and 45)

Annual Report

NSPS Subpart OOOOa

PERIOD: 08/02/2018 - 08/01/2019

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300)
Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019

TARGET EMISSION SERVICES

Company:	Dominion Energy	Report:	Annual LDAR		
District:	DEWEX - Wyoming	Regulation(s):	NSPS Subpart OOOOa		
Facility Name:	TRAIL PAD 84 (84, 82, 83)	Report Date:	Oct 15, 2019		
GPS Coord.	(b) (9)	Period:	2018-Aug-02	TO	2019-Aug-01

This report satisfies the requirements of 40 CFR§60.5420a(b)(7) for the collection of fugitive emissions components at the above referenced compressor station.

Information required to be reported per §60.5420a(b)(7)(i) - (vi)					
Monitoring Quarter	Q2	N/A	N/A	N/A	N/A
Survey Start Date/Time	05/16/2019 11:47 AM	N/A	N/A	N/A	N/A
Survey End Date/Time	05/16/2019 12:10 PM	N/A	N/A	N/A	N/A
OGI Technician (see Appendix for OGI Technician Training and Experience)	(b) (6)	N/A	N/A	N/A	N/A
Ambient Temp. (°F)	72	N/A	N/A	N/A	N/A
Sky Conditions	Partly Cloudy, 10%-50% sky is clouds	N/A	N/A	N/A	N/A
Max. Wind Speed (MPH)	10	N/A	N/A	N/A	N/A
LDAR Instrument	Optical Gas Imaging/GFX-320	N/A	N/A	N/A	N/A
§60.5420a(b)(7)(vi) Deviations from Monitoring Plan	No deviations from the Monitoring Plan	N/A	N/A	N/A	N/A
Deviation(s) Explanation	N/A	N/A	N/A	N/A	N/A
§60.5420a(b)(7)(vii) - Number and type of components for which fugitive emissions were detected					
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks Detected	0				
§60.5420a(b)(7)(viii) - Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h)					
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
§60.5420a(c)(15)(ii)(I)(7) – Number and type of components that were tagged as a result of not being repaired during the monitoring survey as required in §60.5397a(h)(3)(ii).					
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
§60.5420a(b)(7)(ix) - Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored					
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(x) - Date of successful repair of the fugitive emission component (see Repair List).

§60.5420a(b)(7)(xi) - Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair (see DOR List).

§60.5420a(b)(7)(xii) - Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding (see Repair List).

TARGET EMISSION SERVICES

Fugitive Emissions Components Placed on DOR					
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".					
Component					
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	5/16/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR	0				
Date Surveyed	Emission ID #	Component Type	Current Repair Status	Delay of Repair Explanation / Justification	

Fugitive Emissions Components Repaired During Reporting Period			
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".			
Date Surveyed	**Emission ID #**	**Date of Successful Repair**	**Repair Confirmation Method / Instrument**

OGI Technician Training and Experience

Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

All Monitoring Technicians follow a protocol containing technical procedures, training requirements, and individual and team performance audits. This protocol ensures that each crew member follows a prescriptive training program. The training program includes minimum required field times for each module. Each module uses both written testing and on-site work performance audits to evaluate the crew member on their work performance.

Each crew member must successfully complete their training modules to be allowed to work as a member of the main field crew. The protocol also includes an audit program to evaluate work performance on an on-going basis. This system ensures that each crew member is adhering to the procedures and guidelines of the protocol.

Each monitoring technician:

1) holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment;
3) has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

The protocol contains technical procedures, training requirements, and individual and team performance audits. The purpose of our assessment protocol is to:

1) Maintain a high degree of Quality Control;
2) Ensure that all sources of fugitive emissions are identified;
3) Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

This protocol eliminates the common problems and barriers that cause many programs to fail. Our staff are trained and audited to avoid many of the common fugitive emission program problems. Some of these common problems include:

- Inexperienced with camera use and the concepts of infrared thermography
- Not using multiple camera angles
- Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
- Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

1) Technician Self Check – at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
2) Team Lead Review – at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
3) Project Manager Evaluation – on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-May-16	(b) (6)	2015-Apr-08	54

TARGET
EMISSION SERVICES

LDAR Report

Dominion Energy

TRAIL PAD 155 (155, 105, 106, 177)

(Facility Record Number 4, 5, 6 and 46)

Annual Report

NSPS Subpart OOOOa

PERIOD: 08/02/2018 - 08/01/2019

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300)
Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019

TARGET EMISSION SERVICES

Company:	Dominion Energy	Report:	Annual LDAR		
District:	DEWEX - Wyoming	Regulation(s):	NSPS Subpart OOOOa		
Facility Name:	TRAIL PAD 155 (155, 105, 106, 177)	Report Date:	Oct 15, 2019		
GPS Coord.	(b) (9)	Period:	2018-Aug-02	TO	2019-Aug-01

This report satisfies the requirements of 40 CFR §60.5420a(b)(7) for the collection of fugitive emissions components at the above referenced compressor station.

Information required to be reported per §60.5420a(b)(7)(i) - (vi)

Monitoring Quarter	Q2	N/A	N/A	N/A	N/A
Survey Start Date/Time	05/16/2019 10:47 AM	N/A	N/A	N/A	N/A
Survey End Date/Time	05/16/2019 11:11 AM	N/A	N/A	N/A	N/A
OGI Technician [see Appendix for OGI Technician Training and Experience]	(b) (6)	N/A	N/A	N/A	N/A
Ambient Temp. (°F)	72	N/A	N/A	N/A	N/A
Sky Conditions	Partly Cloudy, 10%-50% sky is clouds	N/A	N/A	N/A	N/A
Max. Wind Speed (MPH)	9	N/A	N/A	N/A	N/A
LDAR Instrument	Optical Gas Imaging/GFX-320	N/A	N/A	N/A	N/A
§60.5420a(b)(7)(vi) Deviations from Monitoring Plan	No deviations from the Monitoring Plan.	N/A	N/A	N/A	N/A
Deviation(s) Explanation	N/A	N/A	N/A	N/A	N/A

§60.5420a(b)(7)(vii) - Number and type of components for which fugitive emissions were detected

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges	1				
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks Detected	1				

§60.5420a(b)(7)(viii) - Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h)

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(c)(15)(ii)(I)(7) – Number and type of components that were tagged as a result of not being repaired during the monitoring survey as required in §60.5397a(h)(3)(ii).

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges	1				
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(ix) - Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored

Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					

§60.5420a(b)(7)(x) - Date of successful repair of the fugitive emission component (see Repair List).

§60.5420a(b)(7)(xi) - Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair (see DOR List).

§60.5420a(b)(7)(xii) - Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding (see Repair List).

Fugitive Emissions Components Placed on DOR					
This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".					
Component					
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	5/16/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR	0				
Date Surveyed	Emission ID #	Component Type	Current Repair Status	Delay of Repair Explanation / Justification	

Fugitive Emissions Components Repaired During Reporting Period

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID #	Date of Successful Repair	Repair Confirmation Method / Instrument
2019-05-16	24210155	2019-May-15	OGI
2019-05-16	24210155	2019-May-21	Snoop

OGI Technician Training and Experience

Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

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3) Project Manager Evaluation – on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-May-16	(b) (6)	2015-Apr-08	54